

APRIL/MAY 2024

CECS64C — CLOUD COMPUTING

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is cloud computing?
2. Name any four services of Cloud.
3. Define 'Pervasive Computing'.
4. What is meant by 'Multicore technology'?
5. State the significance of 'Open Nebula'.
6. Write the advantages of 'Amazon AWS'.
7. List the open source tools for IaaS.
8. Name any two Open Source Tools for PaaS.
9. What is meant by 'Application Security'?
10. What is virtual machine?

SECTION B — (5 × 5 = 25 marks)

Answer ALL Questions.

11. (a) Describe the Advantages of Cloud Computing.
- Or
- (b) Write short notes on Cloud Storage.
12. (a) Explain the need for Virtualization.
- Or
- (b) Discuss the paradigm shift from web 2.0 and web 3.0.
13. (a) Describe the programming models of Aneka.
- Or
- (b) What is meant by 'Mapping Applications'? Explain.
14. (a) Describe the open source support for Cloud computing.
- Or
- (b) Summarize the Transport layer issues in DCNs.
15. (a) Discuss about Security architecture design.
- Or
- (b) Exemplify Platform related security.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the Cloud computing deployment models.
17. Discuss about Cloud Networking Technologies.
18. Explain the Cloud software environment.
19. Describe the Networking issues in Data Centers and Open source tools for Research.
20. Write a detailed note on Security Governance and Risk management.
-